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(54) **HEAT-TRANSFER SYSTEMS**

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ABSTRACT

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An improved system for transferring heat, utilizing diols, specifically 1,3-propanediol (PDO). The system reduces the energy consumption, maintenance costs, corrosion, toxicity, and the risk of fire associated with such heat-dependent processes. Unlike traditional hydrocarbon heating fluids, diols do not require draining and replacement if a purifier is installed in the system. Business methods are also disclosed.

